

CLAIMS:

1. An inkjet recording element having a porous ink-receptive layer comprising fusible polymeric particles and an upper and lower surface, wherein the lower surface of the ink-receptive layer is contiguous with a porous support, and wherein the porous support comprises interconnecting open-cell pores facing the lower surface of the porous ink-receptive layer, which pores are, therefore, capable of receiving a substantial amount of ink-carrier liquid from an inkjet composition applied to the fusible, porous ink-receptive layer.
2. The element of claim 1 wherein the fusible, porous ink-receptive layer is the only layer above the porous support and is capable of holding substantially all ink colorant in the inkjet composition that is applied to the inkjet recording element.
3. The element of claim 1 wherein the porous support has a Bristow Test absorption value of at least 3 ml/m^2 .
4. The element of claim 1 wherein the porous support and the fusible, porous ink-receptive layer in combination has a Bristow Test absorption value of at least 10 ml/m^2 .
5. The element of claim 1 wherein the porous support comprises an open-cell voided polymeric film contiguous with the lower surface of the ink-receptive layer.
6. The element of claim 1 wherein the porous support comprises a cellulosic paper contiguous with the lower surface of the ink-receptive layer.

7. The element of claim 1 wherein the porous support comprises a synthetic non-woven fibrous sheet contiguous with the lower surface of the ink-receptive layer.
- 5 8. The element of claim 1 wherein the porous support comprises a foamed film optionally overlying a support, which foamed film is contiguous with the lower surface of the ink-receptive layer.
- 10 9. The element of claim 1 wherein the porous support comprises a polyolefin binder and siliceous particles, forming a porous layer contiguous with the lower surface of the ink-receptive layer.
- 15 10. The element of claim 1 wherein the porous support comprises cellulosic paper having a lower surface that is resin coated with a polyethylene film, wherein an uncoated upper surface of the paper is contiguous with the lower surface of the ink-receptive layer.
- 20 11. The element of claim 1 wherein the porous support comprises a voided poly(lactic acid) or polyester material that is contiguous with the lower surface of the ink-receptive layer.
- 25 12. The element of claim 1 wherein the fusible polymeric particles in the fusible, porous ink-receptive layer comprise a condensation polymer, a styrenic polymer, a vinyl polymer, an ethylene-vinyl chloride copolymer, a polyacrylate, poly(vinyl acetate), poly(vinylidene chloride), a vinyl acetate-vinyl chloride copolymer, a polyester, a polyurethane, or an acid ester of cellulose.
- 30 13. The element of claim 1 wherein the fusible polymeric particles in the fusible, porous ink-receptive layer comprise a copolymer of ethyl methacrylate and methyl methacrylate.

14. The element of claim 1 wherein the fusible, porous ink-receptive layer comprises a binder.

5 15. The element of claim 14 wherein the binder in the fusible, porous ink-receptive layer comprises a swellable hydrophilic polymer, an aqueous dispersion of an acrylic polymer or polyurethane, or beads of a low Tg polymer.

10 16. The element of claim 1 wherein the fusible polymeric particles in the fusible, porous ink-receptive layer are cationic.

17. The element of claim 1 wherein the fusible, porous ink-receptive layer comprises a mordant.

15 18. The element of claim 17 wherein the mordant comprises a cationic latex.

20 19. The element of claim 1 wherein the fusible polymeric particles in the fusible, porous ink-receptive layer range in size, average diameter, from about 0.5 to about 10 μm .

20. The element of claim 14 wherein the particle-to-binder ratio of the fusible polymeric particles and the binder in the ink-receptive layer is between about 95:5 and 60:40.

25 21. An inkjet recording element comprising:
a) a fusible, porous ink-receptive layer comprising fusible polymeric particles; and

30 b) a porous support;
wherein the porous support and the ink-receptive layer in combination exhibits a Bristow Test absorption value of least 10 ml/m² and

wherein the porous support has a Bristow Test absorption value of at least 3 ml/m².

22. An inkjet printing process, comprising the steps of:
- 5 A) providing an inkjet printer that is responsive to digital data signals;
- B) loading the inkjet printer with the inkjet recording element of claim 1, the inkjet recording element comprising a fusible, porous ink-receptive layer;
- 10 C) loading the inkjet printer with an inkjet ink composition;
- D) printing on the inkjet recording element using the inkjet ink composition in response to the digital data signals; and
- E) fusing the fusible, porous ink-receptive layer.
- 15 23. The inkjet printing process of claim 22 wherein the fusible, porous ink-receptive layer and/or the porous support, in combination, is capable of receiving substantially all in-carrier liquid in the inkjet ink composition received by the inkjet recording element.
- 20 24. The inkjet printing process of claim 22 wherein the inkjet ink compositions comprise pigmented ink.
- 25 25. The inkjet printing process of claim 22 wherein the fusible, porous ink-receptive layer is capable of holding substantially all ink colorant in the inkjet ink composition that is applied to the inkjet recording element.